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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Kiminori MIZUUCHI et al. : **Mail Stop: PCT**  
Serial No. 10/584,091 : **Attorney Docket No. 2006\_1009A**  
Filed June 22, 2006 :  
SEMICONDUCTOR LASER DEVICE AND :  
LASER PROJECTOR :  
[Corresponding to PCT/JP2004/019123  
Filed December 21, 2004]

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☒ each U.S. Patent and U.S. Patent application publication;
- ☐ each reference previously cited in the international application PCT/\_\_\_\_\_; and/or
- ☐ each reference previously cited in prior parent application Serial No. \_\_\_\_\_.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

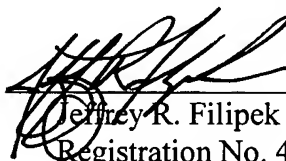
- a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
  - b. ☒ an International Search Report (in the English language) submitted herewith,
  - c. ☐ the concise explanation contained in the specification of the present application at page,
  - d. ☒ the concise explanation set forth in the attached English language abstract,
  - e. ☒ the concise explanation set forth below or on a separate sheet attached to the reference:
- JP 5-78955 corresponds to JP 1862544, EP 0 205 139 and US 4,751,719  
JP 3-174791 corresponds to US 5,358,898 and US 5,170,402
5. ☒ an International Search Report citing one or more of the references is enclosed.

Respectfully submitted,

Kiminori MIZUUCHI et al.

By



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September 20, 2006

## INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
2006\_1009ASERIAL NO.  
10/584,091LIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)APPLICANT  
Kim nori MIZUUCHI et al.

Date Submitted to PTO: September 20, 2006

FILING DATE  
June 22, 2006

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,751,719	6-14-88	Mito et al.			
	AB	5,358,898	10-25-94	Ogita et al.			
	AC	5,170,402	12-8-92	Ogita et al.			
	AD	2002/0154393	10-24-02	Hamamoto			
	AE	5,347,526	9-13-94	Suzuki et al.			
	AF	5,781,222	7-14-98	Yamawaki et al.			
	AG	2002/0141467	10-3-02	Iwai et al.			
	AH	5,561,682	10-1-96	Aoki et al.			
	AI	6,175,440	1-16-01	Conemac			
	AJ	2003/0007524	1-9-03	Gotoda			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AK	2000-357842	12-26-00	Japan			abstract
	AL	5-78955	12-13-86	Japan			corresponds to AM, AA
	AM	0 205 139	12-17-86	Europe			x
	AN	3-174791	7-29-91	Japan			corresponds to AB & AC
	AO	2000-49417	2-18-00	Japan			abstract
	AP	10-173286	6-26-98	Japan			abstract

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	D. F. Welch et al., "1.1 W CW, Diffraction-Limited Operation of a Monolithically Integrated Flared-Amplifier Master Oscillator Power Amplifier", Electronics Letters, Vol. 28, No. 21, October 8, 1992, pp. 2011-2013
AR	K.Y. Lau, "Broad wavelength tunability in gain-levered quantum well semiconductor lasers", Appl. Phys. Lett., Vol. 57, No. 25, December 17, 1990, pp. 2632-2634

EXAMINER

DATE CONSIDERED